

We promise, We deliver



| FE4P30-35 Q Battery Balance Weight Type Forklift | | | | |
|--|---|------------|--------------|---------------------|
| Identification | | | | |
| 1.1 | Manufacture(abbreviation) | | Noblelift | |
| 1.2 | Manufacturer's type designation | FE4P30Q-Li | | FE4P35Q-Li |
| 1.3 | Drive:electric(battery or mains),diesel,petrol gas,manual | | electric | |
| 1.4 | Type of operation(hand,pedestrian,standing,seated,order-picker) | | seated | |
| 1.5 | Load capacity/rated load | Q (kg) | 3000 | 3500 |
| 1.6 | Load centre distance | C (mm) | 500 | |
| 1.8 | Load distance,centre of drive axle to fork wheelbase | x (mm) | 478 | 483 |
| 1.9 | | y (mm) | 1700 | |
| Weights | | | | |
| 2.1 | Service weight incl. battery(see line 6.5) | kg | 4150 | 4620 |
| 2.2 | Axle loading ,laden front/rear | kg | 6600/550 | 7470/650 |
| 2.3 | Axle loading,unladen front/rear | kg | 1800/2350 | 1920/2700 |
| Wheels, Chassis | | | | |
| 3.1 | Type:solid rubber,superelastic,pneumatic,polyurethane | | pneumatic | superelastic |
| 3.2 | Tyres size,front | | 28×9-15-14PR | |
| 3.3 | Tyres size,rear | | 6.50-10-10PR | |
| 3.5 | Wheels,number front/rear(×=driven wheels) | | 2×/2 | |
| 3.6 | Track width,front | b10 (mm) | 1004 | |
| 3.7 | Track width,rear | b11 (mm) | 982 | |
| Basic Dimensions | | | | |
| 4.1 | Mast/fork carriage tilt forward/backward | α/β(°) | 6/10 | |
| 4.2 | lowered mast height | h1 (mm) | 2070 | 2185 |
| 4.3 | Free lift | h2 (mm) | 135 | 140 |
| 4.4 | Lift height | h3 (mm) | 3000 | |
| 4.5 | Extended mast height | h4 (mm) | 4115 | |
| 4.7 | Overhead load guardheight | h6 (mm) | 2150 | |
| 4.8 | Seat height/standing height | h7 (mm) | 1130 | |
| 4.12 | Coupling height | h10 (mm) | 580 | |
| 4.19 | Overall length | l1 (mm) | 3673 | |
| 4.20 | Length to face of forks | l2 (mm) | 2603 | |
| 4.21 | Overall width | b1 (mm) | 1226 | |
| 4.22 | Fork dimensions | s/e/l (mm) | 45/125/1070 | 50/125/1070 |
| 4.24 | Fork carriage width | b3 (mm) | 1100 | |
| 4.31 | Ground clearance ,laden,under mast | m1 (mm) | 135 | |
| 4.32 | Ground clearance,centre of wheelbase | m2 (mm) | 150 | |
| 4.33 | Aisle width for pallets 1000×1200 crossways | Ast (mm) | 4037 | 4042 |
| 4.34 | Aisle width for pallets 800×1200 lengthways | Ast (mm) | 4237 | 4242 |
| 4.35 | Turning radius | Wa (mm) | 2350 | |
| Performance Data | | | | |
| 5.1 | Travel speed,laden/unladen | km/h | 11/12 | 10/11 |
| 5.2 | Lift speed,laden/unladen | m/s | 0.26/0.34 | 0.25/0.33 |
| 5.3 | lowering speed,laden/unladen | m/s | | <0.6 |
| 5.5 | Drawbar pull ,laden/unladen S2 60 min | N | 3500/2500 | 3800/2800 |
| 5.7 | Max.Gradient performance,laden/unladen S2 5 min | % | 15/15 | 13/15 |
| 5.10 | Service brake | | Hydraulic | |
| E-Motor | | | | |
| 6.1 | Drive motor rating S2 60 min | kW | 11 | |
| 6.2 | Lift motor rating at S3 15% | kW | 12 | |
| 6.3 | Battery standard | | Lion | |
| 6.4 | Battery voltage,nominal capacity K5 | V/Ah | 80/200 | 80/300/400 (option) |
| 6.5 | Battery weight | kg | 200 | |
| Other Details | | | | |
| 8.1 | Type of drive control | | AC | |
| 8.2 | Operating pressure for attachments | Mpa | 17.5 | |
| 8.3 | Oil volume for attachments | l/min | 36 | |
| 8.4 | Sound level at driver's ear according to EN 12 053 | dB(A) | 74 | 75 |

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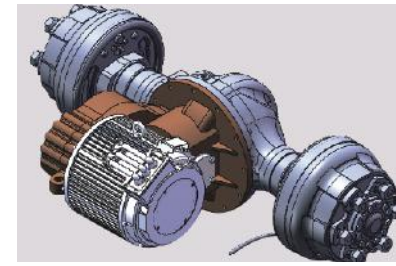
FE4P30Q/35Q-Li
Four wheel Li-iron Electric Forklift

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ARRIVAL

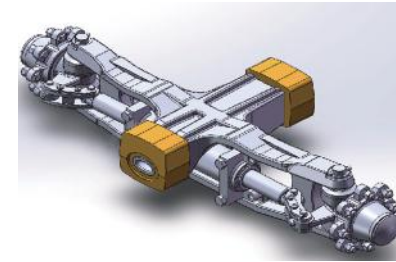


FE4P30Q/35Q-Li

- The FE4P30Q/35Q-Li is a cost-effective electric forklift with combination of the traditional Internal Combustion forklift and lithium-iron powered electric forklift, it has the characteristics of large driving space and comfortable operation. The standard configuration is lithium iron phosphate (LFP) battery with efficient fast charging. Optional different battery capacities: the standard configuration is 80V200Ah, optional 80V300Ah and 400Ah.
- Standard full AC control system and optional fleet management system. Standard REMA/Anderson connection for charging, optional automotive type intelligent plug-in high frequency charging technology.
- The truck adopt similar design of the Internal Combustion forklift with spacious operation space and comfort. The mast system, front and rear axles as well as the durability of chassis is similar to traditional Internal Combustion forklift. The truck combined the durability of Internal Combustion forklift with layout advantage of Li-iron electric forklift, so that the truck's weight is light and gravity center is optimized, therefore the overall energy consumption is effectively improved.



Drive system uses a horizontal fan-shaped drive axle arranged in parallel with a large transmission ratio. The battery is located at the bottom of chassis, the truck has good stability. Drive motor uses AC maintenance-free motor. Long wheelbase(1700mm)design, better stability.



Integrally forged integrated steering axle, with shock mitigation system with excellent driving comfort and prolongs the service life.

Ergonomically designed LED display with large screen and great visibility for easy control and operation with all around truck status information.



U design of steering wheel, front-located multi-way valve operating device makes the operation effortless and comfortable.



The simple and convenient removable side panel design allows the battery can be side extracted as standard feature for efficient and easy battery replacement. Electronic controller: located on side bottom part for good heat dissipation ,easy maintenance and installation. Large front and rear tire design, works both for outdoor off-road and indoor road surface with good driving comfort.



The truck adopts long tiller ratchet parking brake design for easy operation.



Simplified structure design by eliminating unnecessary decorative structures with same strength , make the truck look more attractive and tough.



Wide view through the optimized mast and hydraulic design, the forks with intelligent buffer, protect the ground and goods from damage from hitting the ground.



Combination switch as automotive, the seat can be adjusted back and forth so that the operator can choose the ideal driving position.



Q Series Forklift Lithium battery option (LFP)

| Model | Standard | Optional | |
|------------|----------|----------|-------|
| FE4P30Q-Li | 200Ah | 300Ah | 400Ah |
| FE4P35Q-Li | 200Ah | 300Ah | 400Ah |



All lithium-iron batteries are equipped built-in battery management system(BMS) that manages all important data during charging and discharging. The management of the battery by BMS can ensure the safety of the battery throughout its life cycle. **Li-ion batteries have been certified for safe transportation, use and disposal according to standards.** BMS communicates with the truck management system through CAN. CAN protocol CAN monitor the battery and diagnose and repair the battery through specific software.



Battery replacement: side extraction, quick and convenient replacement, easy maintenance. Fast charging with battery fully charged in 2-3 hours. The intelligent high frequency charger with automobile charging technology has a working efficiency of more than 95%, which is much higher than the 80% working efficiency of traditional low frequency charger.



Optional: automotive type intelligent plug-in charging gun with high frequency charging technology. **Note: press the "stop" button of the charger before pulling the gun.**



Standard: REMA/Anderson plug-in.

| Mast Table FE4P30Q | | | | | | | |
|--------------------|---------------------------|-------------------------|----------------------------------|------------------------------------|-------------------------------------|---|------|
| Designion | Lift height h3 (mm) | Free Lift h2 (mm) | Closed mast height h1 (mm) | Extended mast height h4 (mm) | Tilt forward/ backward α/β(°) | Capacity table(kg) C=500mm without sideshift, single pneumatic tyres FE4P30Q | |
| Two-stage ZT | 2000 | 135 | 1570 | 3114 | 6/10 | 3000 | |
| | 2500 | 135 | 1820 | 3614 | 6/10 | 3000 | |
| | 3000 | 135 | 2070 | 4114 | 6/10 | 3000 | |
| | 3300 | 135 | 2220 | 4414 | 6/10 | 3000 | |
| | 3500 | 135 | 2320 | 4614 | 6/10 | 3000 | |
| | 3600 | 135 | 2370 | 4714 | 6/10 | 3000 | |
| | 3700 | 135 | 2420 | 4814 | 6/10 | 2950 | |
| | 4000 | 135 | 2620 | 5114 | 6/6 | 2850 | |
| | 4300 | 135 | 2770 | 5414 | 6/6 | 2700 | |
| | 4500 | 135 | 2870 | 5614 | 6/6 | 2500 | |
| 5000 | 135 | 3120 | 6114 | 6/6 | 2100 | | |
| Two-stage ZZ | 2000 | 563 | 1545 | 2971 | 6/10 | 3000 | |
| | 2500 | 813 | 1795 | 3471 | 6/10 | 3000 | |
| | 3000 | 1063 | 2045 | 3971 | 6/10 | 3000 | |
| | 3300 | 1213 | 2195 | 4271 | 6/10 | 3000 | |
| | 3500 | 1313 | 2295 | 4471 | 6/10 | 3000 | |
| | 3600 | 1363 | 2345 | 4571 | 6/10 | 3000 | |
| | 3700 | 1413 | 2395 | 4671 | 6/6 | 3000 | |
| | 4000 | 1613 | 2595 | 4971 | 6/6 | 2850 | |
| | Three-stage DZ | 4000 | 988 | 1970 | 4981 | 6/6 | 2750 |
| | | 4300 | 1113 | 2095 | 5331 | 6/6 | 2600 |
| 4500 | | 1163 | 2145 | 5479 | 6/6 | 2400 | |
| 4800 | | 1263 | 2245 | 5779 | 6/6 | 2200 | |
| 5000 | | 1406 | 2388 | 5979 | 6/6 | 2000 | |
| 5500 | | 1640 | 2622 | 6479 | 3/6 | 1500 | |
| 6000 | | 1873 | 2855 | 6979 | 3/6 | 1200 | |
| 6500 | | 2107 | 3088 | 7479 | 3/3 | 800 | |

Free lift height (no load-backrest) +425mm

| Mast Table FE4P35Q | | | | | | | |
|--------------------|---------------------------|-------------------------|----------------------------------|------------------------------------|-------------------------------------|--|------|
| Designion | Lift height h3 (mm) | Free Lift h2 (mm) | Closed mast height h1 (mm) | Extended mast height h4 (mm) | Tilt forward/ backward α/β(°) | Capacity table(kg) C=500mm without sideshift, single pneumatic tyre FE4P35Q | |
| Two-stage ZT | 2000 | 140 | 1680 | 2786 | 6/10 | 3500 | |
| | 2500 | 140 | 1930 | 3286 | 6/10 | 3500 | |
| | 3000 | 140 | 2180 | 3786 | 6/10 | 3500 | |
| | 3300 | 140 | 2330 | 4086 | 6/10 | 3500 | |
| | 3500 | 140 | 2430 | 4286 | 6/10 | 3500 | |
| | 3600 | 140 | 2480 | 4386 | 6/10 | 3500 | |
| | 3700 | 140 | 2530 | 4486 | 6/10 | 3250 | |
| | 4000 | 140 | 2730 | 4786 | 6/6 | 3000 | |
| | 4300 | 140 | 2880 | 5086 | 6/6 | 2800 | |
| | 4500 | 140 | 2980 | 5286 | 6/6 | 2600 | |
| 5000 | 140 | 3230 | 5786 | 6/6 | 2200 | | |
| Two-stage ZZ | 2000 | 491 | 1570 | 2971 | 6/10 | 3500 | |
| | 2500 | 741 | 1820 | 3471 | 6/10 | 3500 | |
| | 3000 | 991 | 2070 | 3971 | 6/10 | 3500 | |
| | 3300 | 1141 | 2220 | 4271 | 6/10 | 3500 | |
| | 3500 | 1241 | 2320 | 4471 | 6/10 | 3500 | |
| | 3600 | 1291 | 2370 | 4571 | 6/10 | 3500 | |
| | 3700 | 1341 | 2420 | 4671 | 6/6 | 3500 | |
| | 4000 | 1541 | 2620 | 4971 | 6/6 | 3200 | |
| | Three-stage DZ | 4000 | 916 | 1970 | 4981 | 6/6 | 3200 |
| | | 4300 | 1041 | 2095 | 5331 | 6/6 | 3000 |
| 4500 | | 1091 | 2145 | 5479 | 6/6 | 3000 | |
| 4800 | | 1191 | 2245 | 5779 | 6/6 | 2500 | |
| 5000 | | 1334 | 2388 | 5979 | 6/6 | 2400 | |
| 5500 | | 1568 | 2622 | 6479 | 3/6 | 1750 | |
| 6000 | | 1801 | 2855 | 6979 | 3/6 | 1250 | |
| 6500 | | 2034 | 3088 | 7479 | 3/3 | 900 | |

Free lift height (no load-backrest) +460mm